

EXCAVATOR TEETH AND ADAPTERS

ADAPTER

BE

A 1 1/2 bottom leg adapter. Designed for both general and tough excavation in different types of ground.

SL

Top mounted single leg adapter designed for use in general conditions whenever a smooth surface is required.

LOCK

LP

Reusable locking pin of forged steel also usable in hot slag applications.

LR

Locking ring integrated in the tooth. Secures the locking function and simplifies teeth exchange.

TOOTH

GPE

Standard tooth with slim design for optimal penetration and durability in general purpose applications.

VE

The tooth for maximum penetration. Makes light work of hard surface layers and frozen ground.

WE

Used primarily in a corner position in combination with VE, this tooth provides the penetration demanded by hard surfaces.

FE

An extra-wide tooth for excavating and cleaning – penetration and straight-edge performance from a single solution.

TOOTH

AE

Abrasion tooth for highly abrasive soils and rocks such as granite, basalt and sandstone. The design provides maximal wear material with maintained good penetration.

TOOL

LT

Tool for turning the locking ring in locked and unlocked position.

LOADER TEETH AND ADAPTERS

ADAPTER

SL

Top mounted single leg adapter designed for use in general conditions whenever a smooth surface is required.

TL

A 1 1/2 top leg adapter. Designed for both general and tough loading in different types of ground conditions.

LOCK

LP

Reusable locking pin of forged steel also usable in hot slag applications.

LR

Locking ring integrated in the tooth. Secures the locking function and simplifies teeth exchange.

TOOTH

GPL

In both general and highly abrasive environments. This all-round tooth is popular for its excellent penetration.

AL

Outstanding wear resistance combined with a high level of penetration. This tooth provides extra protection for the lower part of the adapter and is ideal where ground conditions are highly abrasive.

TOOL

LT

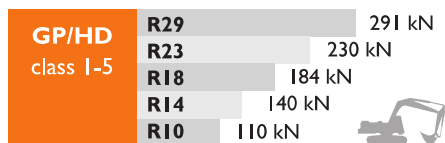
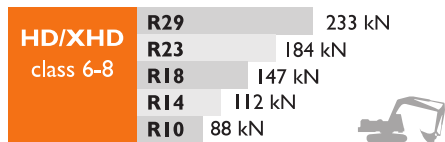
Tool for turning the locking ring in locked and unlocked position.

APPLICATION TABLE

APPLICATION TABLE Based on DIN 18300 ground classification			
Ground classification	Description of ground conditions	Working conditions	Application
Class 1 Top soil without stones	Top layer of soil.	Very little wear. Very little penetration resistance. No impact resistance.	GP
Class 2 Wet ground	Sludge, mud, peat.	Little wear. Very little penetration resistance. No impact resistance.	GP
Class 3 Light ground	Sand, fine gravel, sandy soil. Stone size up to approx. 60 mm	Moderate wear. Little penetration resistance. No impact resistance.	GP
Class 4 Moderately heavy ground	Very stony ground, gravel, stones. Stone size above 60 mm.	Considerable wear. Some penetration resistance. Moderate impact resistance.	GP / HD
Class 5 Dense, moderately heavy ground	Till, rigid clay, sand-clay mix, moraine, marl.	Considerable wear. Moderate penetration resistance. Little impact, some break through resistance.	HD
Class 6 Dense, heavy ground	Hard marl and clay, hard sandy ground, hard stony soil. Stone size up to approx. 200 mm.	Considerable wear. Considerable penetration resistance. Considerable impact and break through resistance.	HD
Class 7 Lighter rock	Loose rock, crumbled rock, slate. Very hard ground with stones, approx. 200 mm or bigger.	Usually considerable wear. Considerable penetration resistance. Considerable impact and break through resistance.	XHD
Class 8 Heavy rock	Blasted rock, size over 0,1 m ³ .	Very significant wear. Considerable penetration resistance. Very significant impact and break through resistance.	XHD

For further information on welding, assembly and maintenance, see welding and assembly instructions.

Breakout force diagram – Backhoe



Breakout force diagram

